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**Catalogue of the MUTILLIDÆ of North America, with
descriptions of new species.**

BY CHARLES A. BLAKE.

MUTILLA Linn.

♂.

Ajax Blake, Trans. Am. Ent. Soc. iii, 1871, 226, ♂. (Coll. Harris). Florida.

♀♀.

vigilans Say, Bost. Jour. i, 296; Blake, Trans. Am. Ent. Soc. iii, 229, ♂. M. S.

Briaxus Blake, Trans. Am. Ent. Soc. iii, 227, ♂. Pa., Del.

hexagona Say, ibid. 228, ♂. S. & W. States.

ornativentris Cress. Proc. Ent. Soc. Phil. iv, 438, ♀. S. & W. States.

Grotei Blake, Trans. Am. Ent. Soc. iii, 228, ♂. Colorado.

oajaca Blake, ibid. 228, ♂ ♀. Mexico.

Promethea Blake, ibid. 229, ♂. Louisiana.

contracta Say, Bost. Jour. i, 295; Blake, Trans. Am. Ent. Soc. iii, 229, ♂. W. S.

Sayi Blake, Trans. Am. Ent. Soc. iii, 229, ♂. Texas.

senex Guér.; Blake, ibid. 230, ♂. Cuba.

floridensis Blake, ibid. vii, 249, ♂. Florida.

Leona Blake, ibid. iii, 230, ♀. Mexico.

palliope Cress. Proc. Ent. Soc. Phil. iv, 112, ♀. Cuba.

dubitata Sm. Brit. Mus. Cat. iii, 60, ♀. Florida.

sorpea Say; Blake, Trans. Am. Ent. Soc. iii, 230, ♂. Eastern States.

gracilis Sm. Brit. Mus. Cat. iii, 42, ♂. Texas, Mexico.

cubensis Blake, Trans. Am. Ent. Soc. iii, 231, ♀. Cuba.

Cinaloa Blake, ibid. 231, ♀. Mexico.

Yucatana Blake, ibid. 231, ♀. Mexico.

peculiaris Cress. ibid. v, 119, 1876, ♀. California.

Copano Blake, ibid. iii, 232, ♂. Texas.

♀♀.

scaeva Blake, Trans. Am. Ent. Soc. iii, 232, ♂. Texas.

exulans Fab. Ent. Syst. ii, 358, ♀. North America.

pennsylvanica St. Farg.; Blake, Trans. Am. Ent. Soc. iii, 233, ♂. Mid. States.

auripilis Blake, Trans. Am. Ent. Soc. iii, 233, ♂. Texas.

Edwardii Cress. ibid. v, 119, ♂. Oregon.

Orcus Cress. Proc. Ent. Soc. Phil. iv, 428, ♂ ♀. Texas.

Gorgon Blake, Trans. Am. Ent. Soc. iii, 233, ♀. Texas.

Tisiphone Blake, ibid. vii, 249, ♀. Texas.

Zelaya Blake, ibid. iii, 234, ♂. Texas.

Comanche Blake, ibid. 234, ♂ ♀. Texas.

texana Blake, ibid. vii, 250, ♀. Texas.

Clotho Blake, ibid. iv, 72, ♀. Texas.

Erato Blake, ibid. vii, 251, ♀. Texas.

Sackenii Cress. Proc. Ent. Soc. Phil. iv, 385, ♀. California.

Clio Blake, Trans. Am. Ent. Soc. vii, 251, ♀. Vancouver.

magna Cress. Proc. Ent. Soc. Phil. iv, 385, ♀. Colorado.

Holotricha Sauss. Ann. Soc. Ent. Fr. ser. 4, vii, 361, ♀. Mexico.

- aureola* Cress. Proc. Ent. Soc. Phil. iv, 335, ♀. California.
canina Sm. Brit. Mus. Cat. iii, 58, ♀. Mexico.
Leda Blake, Trans. Am. Ent. Soc. iv, 72, ♀. Texas.
combusta Sm. Brit. Mus. Cat. iii, 59, ♀. Mexico.
tecta Cress. Trans. Am. Ent. Soc. v, 119, ♀. California.
rubriceps Cress. Proc. Ent. Soc. Phil. iv, 111, ♀. Cuba.
erudita Cress. Trans. Am. Ent. Soc. v, 120, ♀. California.
Sichelliana Sauss. Ann. Soc. Ent. Fr. ser. 4, vii, 360, ♀. Mexico.
pacifica Cress. Trans. Am. Ent. Soc. v, 120, ♀. California.
vestita St. Farg. Hym. iii, 634, ♂ ♀. Mexico.
Ursula Cress. Trans. Am. Ent. Soc. v, 120, ♂. Texas, Oregon.
auraria Blake, ibid. vii, 248, ♀. Nevada.
Arcta Cress. ibid. v, 120, ♀. California.
Marpesia Blake, ibid. vii, 247, ♀. Kansas, Utah.
californica Radov. Horæ Soc. Ent. Ross, 1861, 86, pl. 2, fig. 7, ♀. California.
Phædra Blake, Trans. Am. Ent. Soc. vii, 251, ♀. Nevada.
fulvohirta Cress. Proc. Ent. Soc. Phil. iv, 433, ♂. Colorado.
Aspasia Blake, Trans. Am. Ent. Soc. vii, 250, ♀. Nevada.
Chiron Blake, ibid. iv, 72, ♂. Texas.
Zenobia Blake, ibid. vii, 250, ♀. California.
Bellona Cress. Proc. Ent. Soc. Phil. iv, 434, ♀. Colorado.
verticalis Sm. Brit. Mus. Cat. iii, 63, ♀. Mexico.
Egina Cress. Proc. Ent. Soc. Phil. iv, 435, ♀. Colorado.
rufa St. Farg. Hym. iii, 631, ♂. Atlantic States.
coccineohirta Blake, Trans. Am. Ent. Soc. iii, 235, ♂ ♀. California.
pulchra Sm. Brit. Mus. Cat. iii, 61, ♀. Mexico.
Sumichrasti Sauss. Ann. Ent. Soc. Fr. ser. 4, vii, 357, ♂ ♀. Mexico.
militaris Sm. Brit. Mus. Cat. iii, 61, ♀. Jamaica.
occidentalis Linn. Syst. Nat. i, 966; St. Farg. Hym. iii, 595, ♂ ♀. N. Am.
andreniformis Sm. Brit. Mus. Cat. iii, 55, ♂. Mexico.
Crensa Cress. Proc. Ent. Soc. Phil. iv, 431, ♀. Colorado.
antiguensis Fabr. Ent. Syst. ii, 367, ♂. Mexico, Antigua.
medea Cress. Proc. Ent. Soc. Phil. iv, 432, ♀. Colorado.
bioculata Cress. ibid. 431, ♂. Colorado.
Asopus Cress. ibid. 435, ♂. Colorado.
Hector Blake, Trans. Am. Ent. Soc. iii, 237, ♂. Kansas.
monticola Cress. Proc. Ent. Soc. Phil. iv, 430, ♂. Colorado.
castor Blake, Trans. Am. Ent. Soc. iii, 237, ♂. Texas, Kansas.
fenestrata St. Farg. Hym. iii, 627, ♂. Atlantic States.
ochracea Blake, Trans. Am. Ent. Soc. vii, 247, ♂ ♀. Nevada.
Creon Blake, ibid. iv, 73, ♂. Texas.
Bexar Blake, ibid. iii, 238, ♂. Texas.
Waco Blake, ibid. 238, ♀. Texas.
Admetus Blake, ibid. iv, 74, ♂. Texas.
macra Cress. Proc. Ent. Soc. Phil. iv, 429, ♂. Texas.
apicalata Blake, Trans. Am. Ent. Soc. iii, 238, ♂. Mexico.
canella Blake, ibid. 239, ♂. Texas.
macilentata Blake, ibid. 239, ♂. Texas.
obscura Blake, ibid. 239, ♂. Massachusetts.
gibbosa Say, Bost. Jour. i, 198, ♂. Western States.

- Willsoni* Cress. Proc. Ent. Soc. Phil. iv, 112, ♂. Cuba.
asteca Blake, Trans. Am. Ent. Soc. iii, 240, ♂. Mexico.
montezumae St. Farg. Hym. iii, 634, ♀. Mexico.
melanosoma Blake, Trans. Am. Ent. Soc. iii, 240, ♀. Panama.
trispinata Blake, ibid. 241, ♀. Florida.
Istapa Blake, ibid. 241, ♂. Honduras.
Proserpina Blake, ibid. 241, ♀. Honduras.
mixtura Blake, ibid. vii, 251, ♀. Colorado.
Cressoni Blake, ibid. iii, 68, ♀. Mexico.
Nortoni Blake, ibid. 68, ♀. Mexico.
Toluca Blake, ibid. 242, ♀. Mexico.
Ariadne Blake, ibid. 243, ♀. Mexico.
Solola Blake, ibid. 243, ♀. Guatemala.
arachnoides Sm. Brit. Mus. Cat. iii, 57, ♀. Mexico.
formosa Blake, Trans. Am. Ent. Soc. iii, 244, ♀. Mexico.
balopilus Blake, ibid. 244, ♀. Mexico.
Altamira Blake, ibid. 244, ♀. Mexico.
Xalisco Blake, ibid. 245, ♀. Mexico.
Ulkei Cress. Proc. Ent. Soc. Phil. iv, 387, ♀. Lower California.
nigriceps Cress. ibid. 110, ♀. Cuba.
floridana Blake, Trans. Am. Ent. Soc. iii, 245, ♀. Florida.
tolteca Blake, ibid. 246, ♀. Mexico.
versicola Fab. Ent. Syst. ii, 371, ♀. Florida.
4-guttata Say, West. Quar. Rep. ii, 74, ♀. Texas.
frigida Sm. Brit. Mus. Cat. iii, 60, ♀. Arctic America.
Cypris Blake, Trans. Am. Ent. Soc. iii, 246, ♀. Georgia.
vagans Fab. Ent. Syst. Suppl. 282, ♀. North America.
ferrugata Fab. Syst. Piez. 438, ♀; St. Farg. Hym. iii, 608. United States.
albopilosa Blake, Trans. Am. Ent. Soc. iv, 74, ♀. Texas.
canoe Blake, ibid. vii, 250, ♀. Texas.
mutata Blake, ibid. iii, 247, ♀. E. M. & S. States.
acaevola Blake, ibid. 247, ♀. Atlantic States.
balteola Blake, ibid. 248, ♀. E. M. & S. States.
propinqua Cress. Proc. Ent. Soc. Phil. iv, 433, ♂. Colorado.
Oecola Blake, Trans. Am. Ent. Soc. iii, 248, ♂. Florida.
Sanbornii Blake, ibid. 248, ♂. Massachusetts.
flavida Blake, ibid. 249, ♂. Texas.
laticeps Blake, ibid. 249, ♂. Mexico.
grandiceps Blake, ibid. iv, 74, ♂ ♀. Texas.
rutlans Blake, ibid. vii, 248, ♀. California.
Xalapa Blake, ibid. iii, 249, ♂. Mexico.
Zapoteca Blake, ibid. 250, ♂. Mexico.
Gila Blake, ibid. 250, ♂. Texas.
Robinsonii Blake, ibid. 250, ♀. Mexico.
capitata Sm. Brit. Mus. Cat. iii, 59, ♀. Mexico.
quadridens Blake, Trans. Am. Ent. Soc. vii, 247, ♀. Panama.
Gabbii Blake, ibid. 248, ♀. Costa Rica.
Electra Blake, ibid. iv, 75, ♀. Texas.
Lerma Blake, ibid. iii, 251, ♀. Mexico.
canadensis Blake, ibid. 252, ♀. Canada.

- bisignata* Blake, Trans. Am. Ent. Soc. 252, ♀. Mexico.
connectens Cress. Proc. Ent. Soc. Phil. iv, 387, ♀. Lower California.
contumax Cress. ibid. 437, ♀. Colorado.
gothica Blake, Trans. Am. Ent. Soc. iii, 252, ♀. Mexico.
Isucar Blake, ibid. 253, ♀. Mexico.
Chiapa Blake, ibid. 253, ♀. Mexico.
cruciata Sm. Brit. Mus. Cat. iii, 42, ♀. Mexico.
petricola Blake, Trans. Am. Ent. Soc. iii, 253, ♀. Mexico.
auripes Blake, ibid. 254, ♀. Mexico.
minutissima Blake, ibid. 254, ♀. Mexico.
pygmaea Blake, ibid. vii, 250, ♀. Nevada.
puteola Blake, ibid. 252, ♀. Florida, Texas.
psammadroma Blake, ibid. iii, 254, ♀. Mexico.
simillima Sm. Brit. Mus. Cat. iii, 62, ♀. Atlantic States.
Euterpe Blake, Trans. Am. Ent. Soc. vii, 249, ♀. Florida.
braxoria Blake, ibid. iii, 255, ♀. Texas.
montivaga Cress. Proc. Ent. Soc. Phil. iv, 436, ♀. Colorado.

AGAMA Blake.

- mendica* Blake, Trans. Am. Ent. Soc. iii, 259, ♂. Nevada.
rustica Blake, ibid. vii, 252, ♂. California.
Orizaba Blake, ibid. iii, 259, ♂. Mexico.
Astyanax Blake, ibid. vii, 254, ♂. Texas.
imperialis Blake, ibid. iii, 260, ♂. Texas.
uro Blake, ibid. vii, 253, ♂. Texas.
Nokomis Blake, ibid. iii, 260, ♂. Arizona.
unicolor Cress. Proc. Ent. Soc. Phil. iv, 389, ♂. California.
Danaus Blake, Trans. Am. Ent. Soc. iii, 261, ♂. Texas.
elara Cress. Proc. Ent. Soc. Phil. iv, 439, ♂. Colorado.
melicausa Blake, Trans. Am. Ent. Soc. iii, 261, ♂. Texas.
Tapajos Blake, ibid. 262, ♂. Texas.
triangularis Blake, ibid. 262, ♂. Nevada.
concolor Cress. Proc. Ent. Soc. Phil. iv, 439, ♂. Colorado.
pallida Blake, Trans. Am. Ent. Soc. iii, 263, ♂. Texas.
hyalina Blake, ibid. 263, ♂. Texas.
Belfragei Blake, ibid. 263, ♂. Texas.
nubecula Cress. Proc. Ent. Soc. Phil. iv, 40, ♂. Colorado.
castanea Cress. ibid. 388, ♂. Lower California.
Alcanor Blake, Trans. Am. Ent. Soc. iii, 264, ♂. Arizona.
ampla Blake, ibid. vii, 252, ♂. Colorado.
glabrella Cress. Proc. Ent. Soc. Phil. iv, 414, ♂. Colorado.
albipes Cress. Trans. Am. Ent. Soc. v, 99, ♂. Nevada.
Aulus Blake, ibid. iv, 75, ♂. Texas.
minuta Blake, ibid. 76, ♂. Texas.
juxta Blake, ibid. 76, ♂. Texas.
ferruginea Blake, ibid. vii, 254, ♂. Nevada.
attenuata Blake, ibid. iv, 76, ♂. Texas.
contracta Blake, ibid. vii, 253, ♂. Nevada.
atrata Blake, ibid. 253, ♂. Nevada.
bicolor Blake, ibid. 252, ♂. Texas.

MYRMOSA Latr.

unicolor Say; Blake, Trans. Am. Ent. Soc. iii, 265. Pennsylvania, Missouri.
rufiventris Blake, ibid. vii, 254, ♂. Colorado.

METHOSA Latr.

stygia Say, (Tengyra), Bost. Jour. i, 299, ♂. Canada, Indiana, Colorado.
canadensis Sm. Brit. Mus. Cat. iii, 67, ♂.
Poeyi Guér. Icon. Règ. Anim. Ins. 430, ♂ ♀. Cuba.

Descriptions of New Species.

Mutilla quadridens.—♀.—Black, head quadrate, double the width of thorax, posterior angles acute, face densely rugose, vertex clothed with pale golden pubescence, cheeks prominent, deeply punctured, bearing beneath two strong spines, curved forward, in front of these, behind the mandibles, are two shorter ones, head below clothed with long glittering hairs; mandibles black, polished, stout, with two teeth before the apex; antennæ black, scape clothed with long pale golden pubescence, flagellum dark ferruginous in front; eyes moderately prominent, ovate; thorax subquadrate, slightly constricted, rugose, prothorax with a stout tubercle on each side posteriorly, disc of mesothorax clothed with pale golden pubescence; metathorax roundly truncate, flanks polished, very thinly sericeous; legs black, polished, clothed with long glittering hairs, the intermediate and posterior tibiæ armed exteriorly with a row of spines, calcaria long, black; abdomen ovate, basal segment nodose, second segment having an ovate spot of deep golden pubescence on the disc, apical margins of segments thinly fringed with long pale hairs; under side shining, punctured, thinly clothed with pale glittering hairs. Length 19 mm.

Hab.—Panama, (H. Strecker). This species is allied to *Robinsonii* and *capitata*, but is readily distinguished from the former by the ovate spot on second abdominal segment, and from the latter by the size of the head.

Mutilla Marpesia.—♀.—Black, head subquadrate, rounded posteriorly, clothed with yellow pubescence, cheeks coarsely punctured, mouth densely clothed with pale pubescence; antennæ fuscous, scape clothed with whitish pubescence, flagellum slightly pruinose; eyes round, polished; thorax ovate densely covered with yellow pubescence; legs black, thinly clothed with long silvery hairs, spines of tibiæ and tarsi fuscous; abdomen ovate, apical margin of basal segment fringed with pale pubescence, basal half of second segment black, closely punctured, clothed with erect black hairs, apical margin and remaining segments clothed with yellow pubescence; ventral segments black, deeply punctured; entire insect beneath, thinly clothed with long silvery hairs, more dense on apical margins. Length 10–12 mm.

Hab.—Kansas, Utah, (Snow.)

Mutilla ochracea.—♂.—Black; head, thorax and abdomen, with exception of the first, and basal half of second segments, clothed with long, erect ochraceous pubescence; head round, closely punctured, eyes prominent, round, polished; antennæ black, scape finely punctured; thorax robust, ovate, metathorax abruptly truncate, coarsely reticulate, flanks coarsely punctured;

wings fuliginous, marginal cell short, truncate at tip, three distinct submarginal cells, first longer than the marginal, the second subquadrate, receiving the first recurrent nervure near the base, the third, pentagonal, extending beyond the marginal; tegulae large; legs black, clothed with black hairs; abdomen ovate, basal segment coarsely punctured, clothed with erect black hairs, second more moderately punctured; under side black. Length 16 mm.

The ♀ differs in having the sculpture of thorax much coarser, and the pubescence somewhat paler. Length 12 mm.

Hab.—Nevada, (Morrison). This species closely resembles *aureola* Cress., but may be distinguished by the smaller size of the head.

Mutilla auraria.—♀.—Black, head rounded, densely clothed on vertex with golden pubescence, cheeks testaceous, coarsely punctured; antennae fusco-testaceous, flagellum slightly pruinose; mouth clothed with long white hairs; eyes round, polished; thorax ovate, narrowed posteriorly, densely clothed with golden pubescence; legs blackish-fuscons, tarsi, spines, and calcaria, testaceous; abdomen ovate, clothed with golden pubescence, more dense on apical segments; ventral surface black, thinly clothed with long white hairs, margins of apical segments densely fringed with pale golden pubescence. Length 12 mm.

Hab.—Nevada, (Morrison).

Mutilla rutilans.—♀.—Entire insect bright castaneous; head quadrate, wider than thorax, posterior angles rounded, polished, covered with exceedingly minute punctures; eyes small, ovate and finely reticulate; antennae somewhat pruinose; prothorax smooth, prominent, meso- and metathorax minutely punctured, the latter obliquely truncate, and having on each side a small tubercle; legs slender, tibiae armed with a row of minute spines; abdomen polished, ovate, short, apical margin of basal segment black, second segment with two subquadrate white spots on the disc, fifth honey-yellow, apex black. Length 7 mm.

Hab.—California. This species differs from all others known to me by the entire absence of pubescence.

Mutilla Gabbii.—♀.—Black; head subquadrate, as wide as thorax, posterior angles rounded, densely rugose, sparsely clothed with erect black hairs; above the eyes on vertex are two ovate spots of appressed pale golden pubescence, cheeks prominent, coarsely, confluent punctured; mandibles black, mouth clothed with pale yellowish hairs; scape of antennae clothed with pale golden pubescence, flagellum slightly pruinose; eyes prominent, round, polished; thorax subquadrate, narrowed posteriorly, densely rugose, anterior angles of prothorax armed with a short tooth; disc of mesothorax bearing a transverse band of pale golden pubescence, anterior angles produced into acute teeth, flanks deeply excavate, filled with pale pubescence below, above which they are polished; metathorax roundly truncate, with an obtuse tooth on each side anteriorly, disc having on each side an elongate-ovate stripe of pale golden pubescence; legs clothed with pale yellowish hairs, calcaria pale; abdomen elongate-ovate, basal segment having two lateral patches of pale golden pubescence, second finely rugose, the dorsal surface bearing numerous minute, longitudinal, parallel carinae, on the disc are two round yellow spots, and two lateral stripes, thinly clothed with pale golden pubescence;

apical segments black at middle, sides clothed with golden pubescence; under side black, second segment moderately coarsely punctured, with a lateral oblique stripe, and apical margins of all the segments clothed with silvery pubescence; anterior margins of all finely aciculate. Length 18 mm.

Hub.—Costa Rica. Two specimens. Collected by the late W. M. Gabb.

Mutilla floridensis.—♂.—Head transverse, not as wide as thorax, black, coarsely punctured, face clothed with whitish pubescence, longer and denser about the mouth; antennæ piceous, scape clothed with glittering hairs. Eyes ovate, acutely emarginate. Thorax robust, ovate, pro- and mesothorax, ferruginous, closely punctured, the latter bearing two discal, longitudinal, faintly impressed lines, apical margin black; scutellum rounded, punctured, metathorax rounded, coarsely reticulate, black at apex. Tegulae black, large, polished. Wings moderate, fuliginous, marginal cell ovate, obliquely truncate at tip, first submarginal long and narrow, second long, pointed at base, receiving the first recurrent a little before the middle, third irregularly hexagonal, its outer angles with abbreviated nervures. Legs black, thinly clothed with glittering hairs, calcaria white. Abdomen ovate, narrowed to apex, ferruginous, finely punctured, apical margins of all the segments fringed with ferruginous pubescence, under side thorax black, coarsely punctured, a ferruginous spot between anterior and middle coxae. Length 13 mm.

Hub.—Florida. Three specimens. This species is closely allied to *Sayi*, and may be only a variety; it differs however, in having the basal abdominal segment ferruginous, and disc of metathorax the same color.

Mutilla Tisiphone.—♀.—Nigro-castaneous; head rounded, a little wider than thorax, coarsely punctured, face very broad, the punctures becoming finer about the insertion of antennæ; eyes small, round; antennæ slightly pruinose, scape finely punctured; thorax short, narrowed posteriorly, coarsely, confluent punctured; prothorax fringed with short erect hairs; metathorax abruptly truncate, deeply reticulate, bearing a few erect hairs, flanks moderately excavate and smooth; legs finely punctured, the intermediate and posterior tibiae armed externally with spines, mixed with fuscous hairs; abdomen elongate-ovate, narrowed to apex, second segment coarsely punctured, its apical margin and remaining segments fringed with golden pubescence; under side as above, except that the marginal fringes are castaneous. Length 17 mm.

Hub.—Texas.

Mutilla Enterpe.—♀.—Ferruginous; head round, finely and closely punctured, face deeply excavate at insertion of antennæ; eyes ovate, finely reticulate; antennæ fuscous, flagellum pruinose, scape finely punctured; mandibles dark ferruginous before the tips; thorax elongate-quadrate, emarginate at sides; pro- and metathorax rounded, the former scarcely as wide as the latter, closely and deeply punctured; metathorax abruptly truncate, stained with fuscous at apex; flanks of mesothorax smooth; legs black, thinly clothed with pale pubescence, intermediate and posterior tibiae feebly spined, calcaria white; abdomen ovate, basal segment black, second minutely punctured, apical margin broadly black, wider at middle on disc, bearing a short longitudinal line of

pale golden pubescence, apical margin fringed with similar pubescence, third segment black. apical segments fusco-ferruginous, fringed with hairs of the same color. Length 12 mm.

Hub.—Florida. This species is easily recognized by the form of the thorax; it is allied to *fidicula* Sm., which however has the abdomen longitudinally rugose.

Mutilla texana.—♀.—Head and thorax coarsely, confluent punctured, nigro-fuscous, thinly clothed with short erect hairs, the former subquadrate, posterior angles rounded, as wide as thorax; cheeks thinly clothed with glittering hairs; antennæ fuscous, scape punctured, flagellum slightly pruinose; eyes round, prominent, polished; thorax ovate, narrowed posteriorly, metathorax roundly truncate; legs black, clothed with scattered white hairs; femora and tibiae finely punctured, intermediate and posterior tibiae armed with spines; abdomen ovate, narrowed to apex, basal segment fuscous, closely punctured, second segment clothed with obscure fulvous pubescence, its apical margin ciliated with yellow, third and fourth segments nigro-fuscous, clothed with black hairs, apex silvery. Length 10 mm.

Hub.—Texas. Two specimens. Allied to *Comanche* Blake.

Mutilla Aspasia.—♀.—Fuscous; head round, scarcely as wide as thorax, closely punctured, clothed with whitish pubescence; antennæ fuscous, flagellum paler, scape finely punctured, clothed with glittering hairs; eyes round, polished; thorax quadrate, slightly narrowed behind, clothed with coarse golden pubescence; metathorax abruptly truncate; legs fuscous, clothed with pale glittering hairs; abdomen ovate, second segment clothed with long silky golden pubescence, apical margins of segments fringed with pale yellowish hairs. Length 7 mm.

Hub.—Nevada. Allied to *auraria* Blake.

Mutilla Zenobia.—♀.—Fuscous; head round, not as wide as thorax, clothed with dense, deep golden pubescence; eyes round, prominent; antennæ fuscous; thorax quadrate, narrowed posteriorly, clothed with reddish golden pubescence, flanks smooth, metathorax abruptly truncate, clothed with long erect hairs; legs fuscous, thinly clothed with long pale hairs; abdomen ovate, basal segment with long erect hairs, second and following segments clothed with dense reddish golden pubescence; ventral fringes whitish. Length 6 mm.

Hub.—California. Allied to *auraria* Blake.

Mutilla caneo.—♀.—Ferruginous; head round, not as wide as thorax, clothed with cinereous pubescence, eyes large, round, prominent; scape of antennæ with whitish hairs; thorax ovate, narrowed posteriorly, thinly covered with griseous hairs, metathorax obliquely truncate; legs thinly clothed with glittering whitish hairs; abdomen ovate, finely punctured, thinly covered with erect white hairs, apical margin of second segment fuscous at middle, fringes of segments white. Length 8 mm.

Hub.—Texas. Allied to *ferrugata* Fab.

Mutilla pygmaea.—♀.—Ferruginous; head round, wide as thorax, moderately coarsely punctured; antennæ honey-yellow, scape clothed with yellowish pubescence; tips of mandibles blackish; thorax subovate, narrowed posteriorly,

densely punctured, sparsely clothed with erect white hairs; legs honey-yellow, clothed with pubescence of the same color; abdomen elongate-ovate, closely punctured, thinly clothed with long erect whitish hairs, apical margins of segments above fringed with white pubescence. Length $4\frac{1}{2}$ —7 mm.

Hab.—Texas, Colorado, Nevada. Four specimens.

Mutilla mixtura.—♀.—Ferruginous; head round, scarcely as wide as thorax, vertex clothed with pale golden pubescence; eyes prominent; flagellum of antennæ fuscous, slightly pruinose, tips of mandibles blackish; thorax subovate, narrowed posteriorly, clothed above with pale golden pubescence; metothorax obliquely truncate, flanks coarsely punctured; legs thinly clothed with white hairs, spines of the tarsi black; abdomen ovate, closely punctured, thinly clothed with mixed black and yellow hairs, apical half of second segment pale ferruginous, margin blackish, apical margins above and beneath fringed with glittering whitish hairs. Length 7 mm.

Hab.—Colorado.

Mutilla Phœdra.—♀.—Ferruginous; head subquadrate, posterior angles rounded, vertex clothed with deep golden pubescence, antennæ fuscous, flagellum pruinose, tips of mandibles blackish, eyes round, cheeks fuscous, closely punctured; thorax short, ovate, clothed on disc with deep golden pubescence, flanks fuscous, metathorax abruptly truncate; legs fuscous, thinly clothed with long whitish hairs; abdomen elongate-ovate, densely clothed above with deep golden pubescence, interspersed with long erect hairs of same color, fringes of apical margins more dense; under side fusco-ferruginous, sparsely punctured. Length 7 mm.

Hab.—Nevada. Allied to *auraria*, but may be distinguished by the tegument being ferruginous.

Mutilla Clio.—♀.—Black; head round, not as wide as thorax, clothed on vertex with coarse ochraceous pubescence; eyes round, prominent; antennæ black; thorax robust, ovate, narrowed posteriorly, clothed on disc with coarse ochraceous pubescence, metathorax abruptly truncate, reticulate, flanks impunctate; legs black, having a few scattered, long black hairs, intermediate and posterior tibiæ armed with spines, calcaria long; abdomen ovate, basal half of second segment black, with coarse black pubescence, apical half and sides of third, fourth and fifth segments clothed with coarse ochraceous pubescence, third and fourth, at middle, and apex black. Length $9\frac{1}{2}$ mm.

Hab.—Vancouver's Island. (H. Edwards).

Mutilla Erato.—♀.—Rufo-castaneous; head round, not as wide as thorax, clothed with dense yellowish-white pubescence; eyes large, round, prominent, polished; antennæ fuscous, scape thinly clothed with whitish hairs; tips of mandibles black; thorax short, ovate, coarsely punctured, metathorax abruptly truncate, thinly clothed with white hairs; legs sparsely clothed with long glittering white hairs, femora punctured; abdomen elongate-ovate, coarsely and deeply punctured, thinly clothed with erect glittering white hairs, apical margins of first and second segments densely fringed with white pubescence; under side same as above. Length 8—12 mm.

Hab.—Texas. Two specimens.

Mutilla puteola.—♀.—Ferruginous; head round, wider than the thorax, closely and evenly punctured; eyes round, large, cheeks clothed with white sericeous pubescence, antennæ fuscous; thorax elongate-ovate, narrowed to apex, closely and regularly punctured, sides slightly sericeous; legs fuscous, thinly clothed with scattered white hairs; abdomen ovate, basal segment clothed with sericeous white pubescence, second closely and regularly punctured, its apical margin fringed at sides with silvery pubescence, fuscous at middle, third segment fuscous, apex paler. Length 5 mm.

Hab.—Texas. Three specimens. Allied to *pygmaea* Blake, from which it differs by the narrow thorax, and in being destitute of the long hairs of the abdomen.

Agama bicolor.—♂.—Head and thorax dark honey-yellow, thinly clothed with erect white pubescence; head subquadrate, posterior angles rounded, finely punctured; eyes round, large, prominent; antennæ fuscous toward the tips; tips of mandibles fuscous; thorax ovate, narrowed posteriorly, closely punctured, metathorax roundly truncate, broadly reticulate; wings hyaline, faintly tinged with yellowish toward apex, marginal cell ovate, first submarginal narrow, second subtriangular, receiving the first recurrent about the middle; tegulæ round, honey-yellow; legs fuscous, paler about the joints, clothed with fine white pubescence, calcaria long; abdomen fuscous, ovate, petiolate, petiole subsessile with the second segment, smooth, minutely and remotely punctured, thinly clothed with long, erect white pubescence. Length 5 mm.

Hab.—Texas. Two specimens. Allied to *Nokomis* Blake, but may be easily separated by the small size, and the triangular second submarginal cell.

Agama ampla.—♂.—Head transverse, small, black, polished, eyes and ocelli large, prominent; mandibles honey-yellow before the tips, antennæ fulvous; thorax elongate-ovate, narrowed to apex, dark honey-yellow, shining, metathorax tapering posteriorly, smooth, flanks of mesothorax swollen; wings as long as entire insect, hyaline, iridescent, marginal cell short, arcuate, lying almost entirely beneath the stigma which is large, lanceolate, fuscous, first submarginal as large as the second and third together, second small, triangular, receiving the first recurrent near the base, third subquadrate, receiving the second recurrent near the middle; tegulæ honey-yellow; legs pale honey-yellow, thinly clothed with yellow pubescence; abdomen elongate-ovate, petiolate, petiole long, thinly clothed with white hairs, second and following segments fuscous, with the apical margins dark honey-yellow, clothed with a few scattered hairs. Length 14–16 mm.

Hab.—Colorado. Two specimens. Allied to *alcanor* Blake, but may be easily separated by the form of the metathorax.

Agama rustica.—♂.—Head round, as wide as the thorax, honey-yellow, clothed with erect fulvous hairs; eyes and ocelli prominent, antennæ fuscous, as long as the head and thorax, flagellum pruinose; thorax black, disc of mesothorax clothed with coarse fulvous pubescence, metathorax roundly truncate, coarsely and broadly reticulate; wings yellowish hyaline, clouded about the

middle and apex; marginal cell ovate-lanceolate, first submarginal narrow, pointed toward the base, second subquadrate, receiving the first recurrent near the base; legs black, thinly clothed with white hairs, calcaria fuscous; abdomen elongate-ovate, petiolate, narrowed to apex, petiole fuscous, finely punctured, thinly clothed with long white pubescence, apical fringe yellow, second and following segments honey-yellow, the apical margins fringed with long yellow pubescence, second segment beneath, fuscous. Length 16 mm.

Hab.—California, (Henry Edwards).

Agama contracta.—♂.—Uniform bright ferruginous, thinly clothed with erect hairs, head rounded, as wide as thorax; eyes round, prominent; flagellum of antennæ slightly pruinose; upper edges and tips of mandibles blackish; thorax ovate, rounded posteriorly, minutely punctured, mesothorax with two faintly impressed lines, scutellum rounded, metathorax abruptly truncate, reticulate; wings fuscous, marginal cell short, ovate, first submarginal long, narrow, second subtriangular, its apical nervure sinuate, and receiving the first recurrent near the middle, stigma small, fuscous; tegulæ dark honey-yellow; legs thinly clothed with scattered hairs; abdomen ovate-petiolate, short, shining, apical margin of petiole blackish, margins of remaining segments fringed with ferruginous pubescence. Length 9 mm.

Hab.—Nevada.

Agama atrata.—♂.—Uniform black; shining, thinly clothed with a few scattered erect hairs; head transverse, as wide as thorax, antennæ fuscous, mandibles dark ferruginous; eyes large, round, prominent; thorax robust, ovate, narrowed posteriorly, flanks beneath the wings much swollen; wings hyaline, iridescent, marginal cell very short, arcuate, rounded at apex, first submarginal large, second triangular, receiving the first recurrent near the base, third quadrate, receiving the second recurrent before the middle; stigma large, black; tegulæ honey-yellow; femora black, tibiae and tarsi fuscous, clothed with pale pubescence; abdomen elongate-ovate, petiolate, petiole pyriform, with a longitudinal dorsal impression, not extending to apical margin, which is constricted, and on ventral surface a longitudinal sulcus, widening at apex; apical margins of segments narrowly fusco-ferruginous. Length 7–9 mm.

Hab.—Nevada. Seven specimens. Easily distinguished by the uniform black color, and extreme shortness of the marginal cell.

Agama uro.—♂.—Ferruginous; head round, not as wide as thorax, minutely punctured, thinly clothed with erect white hairs; eyes round, prominent; scape of antennæ finely punctured; thorax robust, ovate, closely punctured, mesothorax with two longitudinal, impressed lines, sparsely clothed with erect white hairs, metathorax roundly truncate, coarsely reticulate, excavations of the flanks smooth; wings yellowish hyaline, marginal cell ovate lanceolate, abruptly truncate at tip, first submarginal subovate, pointed at base, second subtriangular, receiving the first recurrent nervure before the middle; tegulæ honey-yellow; legs fuscous, clothed with whitish pubescence; abdomen short, petiolate, minutely punctured, smooth, apical margins of segments thinly fringed with white pubescence. Length 10 mm.

Hab.—Texas. Two specimens.

Agama Astyanax.—♂.—Fusco-ferruginous; head quadrate, posterior angles rounded, finely punctured, thinly clothed with erect yellowish hairs; eyes large, prominent, polished; antennæ fuscous, scape punctured, flagellum pruinose; thorax ovate, narrowed posteriorly, closely punctured, mesothorax with two short impressed, longitudinal lines, thinly clothed on disc with yellowish pubescence, metathorax roundly truncate, broadly reticulate, flanks deeply excavate; wings yellowish hyaline, marginal cell ovate, lanceolate, roundly truncate at tip, first submarginal small, narrow, second subquadrate, narrowed to apex, receiving the first recurrent before the middle; tegulæ dark honey-yellow; legs fuscous, clothed with yellowish pubescence, calcaria long; abdomen ovate-petiolate, minutely punctured, apical margins of the segments fringed with white. Length 14 mm.

Hab.—Texas. Two specimens.

Agama ferruginea.—♂.—Uniform ferruginous; head not as wide as thorax, finely punctured, eyes large, prominent, tips and upper edges of mandibles blackish; flagellum of antennæ fuscous, slightly pruinose; thorax ovate, narrowed posteriorly, mesothorax with two longitudinal, parallel, impressed lines, scutellum rounded, closely punctured, metathorax coarsely reticulate, flanks punctured; wings fuscous, marginal cell ovate-lanceolate, first submarginal small, narrow, second subquadrate, receiving the first recurrent about the middle, stigma small, fusco-ferruginous; tegulæ polished, dark honey-yellow; legs thinly clothed with scattered hairs; abdomen elongate-ovate, petiolate, shining, thinly clothed with erect pale hairs, basal segment subpyriform, second minutely and remotely punctured. Length 11 mm.

Hab.—Nevada.

Myrmosa rufiventris.—♂.—Head large, black, quadrate, wider than the thorax, finely punctured, thinly clothed with erect black hairs. Eyes ovate, prominent; antennæ black, flagellum pruinose; mandibles stout, thinly clothed with pale hairs; thorax ovate, narrowed posteriorly, mesothorax with two dorsal, longitudinal impressions, scutellum convex, metathorax roundly truncate, closely and minutely punctured; wings hyaline, iridescent, marginal cell large, lanceolate, first submarginal short, second elongate subquadrate, receiving the first recurrent nervure a little before the middle, third quadrate, receiving the second recurrent about the middle; tegulæ black; legs black, slender, slightly pruinose, calcaria pale; abdomen elongate-ovate, petiolate, petiole black, remaining segments dark ferruginous, paler at sides. Length $5\frac{1}{2}$ mm.

Hab.—Nevada. One specimen.